

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1. (Currently Amended) A router device comprising:

(A) a connection processing section for performing a connection process with a base station in an external network;

(B) a lower-layer information acquisition section for acquiring connection information sent from the base station indicating with the base station, from is connectable with the router device via the connection processing section; and

(C) a route judgment section for judging, when receiving a packet destined for a communication device in an external network from a radio terminal device in a same local network, the base station as a transfer destination regardless of information stored in a routing table in a case of the connection information acquired from the base station indicating the base station is connectable with the router device lower-layer information acquisition section being indicative of a connection with the base station, and judging a transfer destination by looking up the routing table in a case of the router not acquiring the connection information being indicative of a non-connection with the base station.

2. (Currently Amended) A router device according to claim 1, further including

a buffer for storing received data; and

a connection instructing section for instructing the connection processing section to have a connection with the base station,

wherein ~~the lower-layer information acquisition section further acquires connection information of whether or not it is connectable with the base station of the external network, and~~

when the route judgment section receives a packet destined for a communication device of the external network from ~~at the~~ radio terminal device in the same local network, in a case of the connection information of from the lower-layer information acquisition section is indicative of ~~being not being~~ connected with but connectable with the base station, the received packet is held in the buffer, and the received data in the buffer is transferred to the base station after the connection instructing section ~~instructed~~ instructs the connection processing section to have a connection with the base station and the connection processing section completes the connection with the base station.

3. (Currently Amended) A router device comprising:

a mobile IP processing section for registering a position to a home agent device set up on the Internet; and

a route judgment section for judging, when receiving a packet destined for a communication device in an external network from a radio terminal device in a same local network, the home agent ~~apparatus device~~ in the external network as a transfer destination regardless of information stored in a routing table in a case of ~~an entry for the router device receiving, from the home agent device, a message indicating that the home agent is connectable with the router device~~ the home agent device being within a binding update list of the mobile IP processing section, and judging a transfer destination by looking up a routing table in a case of the router device not receiving, from the home agent device, the message indicating that the home agent device is connectable with the router device ~~no entry for the home agent device being within the binding update list.~~

4. (Previously Presented) A router device according to claim 1, wherein the route judgment section, in a case of a next hop router is given as another router device in the same local network when looking up a routing table, inquires of a radio terminal device, as a source of the received packet, whether to transfer the received packet to the next hop router.

5. (Original) A router device according to claim 4, wherein the route judgment section transfers the received packet to the next hop router in a case of a

response for permission from the radio terminal device and discards the received packet in a case of a response for non-permission.

6. (Currently Amended) A communication method on a local network having a plurality of radio terminal devices and a plurality of router devices for communication with a communication device existing on the Internet, the communication method comprising:

determining, by a respective router device, whether the respective router device is connectable with a base station from a message sent by the base station;

transferring, by the router device, when receiving a packet from a radio terminal device in a same local network ~~during connection with a responsive to the respective router device being connectable with the base station~~ external of the local network, the packet received to the external base station with which the router device itself is ~~connected~~connectable, regardless of a content of a routing table.

7. (Currently Amended) A communication method comprising:

a step of transmitting a packet destined for a communication device in an external network, from a radio terminal device within a same local network to a router device;

a step of detecting using information sent from a base station a connection state between the router device and the base station of the external network ~~when the router device received the packet;~~ and

a step of transferring the packet to the base station in a case of the router device being ~~connected~~connectable with the base station regardless of information stored in a routing table, and transferring the packet according to the routing table in a case of the router not being ~~connected~~connectable to the base station.

8. (Currently Amended) A communication method comprising:

a step of transmitting a packet destined for a communication device in an external network, from a radio terminal device within a same local network to a router device;

a step of detecting using information sent from a base station a connection state between the router device and the base station of the external network ~~when the router device received the packet~~; and

a step of transferring the packet to the base station in a case of the router device being ~~connected~~connectable with the base station regardless of information stored in a routing table and judging whether or not the router device is in a connectable state with the base station external of the local network In a case of the router device not being ~~connected~~connectable to the base station, whereby connection processing is performed with the base station when the router device and base station are connectable and the packet is transferred according to the routing table when the router device and base station are not connectable.

9. (Currently Amended) A communication method on a local network having a plurality of radio terminal devices and a plurality of router devices for communication with a communication device existing on the Internet, the communication method comprising:

the router device, when receiving a packet from a radio terminal device in a same local network in a case of the router device receiving, from the home agent device in an external network, a message indicating the router device is connectable with the home agent device~~an entry for a home agent device being in a binding update list~~, transferring the packet received to the communication device via the home agent device through use of reverse tunneling based on mobile IP, regardless of a content of a routing table.

10. (Currently Amended) A communication method comprising:

a step that a router device registers a position to a home agent device existing on the Internet;

a step of transmitting a packet destined for a communication device in an external network, from a radio terminal device in a same local network to the router device; and

a step that, when the router device received the packet, the packet is transferred to the communication device via a home agent device by use of reverse tunneling based on mobile IP regardless of information stored in a routing table in a case of the router device receiving, from the home agent device in the external network, a message indicating the router device is connectable with the home agent device~~an entry for the home agent device being within a binding update list of the router device~~, and transferred according to the routing table in a case the router device not receiving, from the home agent device, the message indicating the router device is connectable with the home agent device~~of no entry for the home agent device being within the binding update list~~.

11. (Previously Presented) A router device according to claim 2, wherein the route judgment section, in a case of a next hop router is given as another router device in the same local network when looking up a routing table, inquires of a radio terminal device, as a source of the received packet, whether to transfer the received packet to the next hop router.

12. (Previously Presented) A router device according to claim 3, wherein the route judgment section, in a case of a next hop router is given as another router device in the same local network when looking up a routing table, inquires of a radio terminal device, as a source of the received packet, whether to transfer the received packet to the next hop router.

13. (Previously Presented) A router device according to claim 11, wherein the route judgment section transfers the received packet to the next hop router in a case of a response for permission from the radio terminal device and discards the received packet in a case of a response for non-permission.

14. (Previously Presented) A router device according to claim 12, wherein the route judgment section transfers the received packet to the next hop router in a case of a response for permission from the radio terminal device and discards the received packet in a case of a response for non-permission.

15. (Currently Amended) A router device comprising:

_____ a connection processing section for performing a connection process with a base station in an external network;

_____ a lower-layer information acquisition section for acquiring connection information with the base station, from the connection processing section;

_____ a route judgment section for judging, when receiving a packet destined for a communication device in the external network from a radio terminal device in a same local network, the base station as a transfer destination regardless of information stored in a routing table in a case of the connection information acquired from the lower-layer information acquisition section being indicative of a connection with the base station, and judging a transfer destination by looking up the routing table in a case of the connection information being indicative of a non-connection with the base station;

_____ a buffer for storing received data and

_____ a connection instructing section for instructing the connection processing section to have a connection with the base station,

_____ wherein the lower-layer information acquisition section further acquires connection information of whether or not it is connectable with the base station of the external network, and

_____ when the route judgment section receives a packet destined for a communication device of the external network from a radio terminal device in the same local network, in a case of the connection information of from the lower-layer information acquisition section is indicative of being not connected with but connectable with the base station, the received packet is held in the buffer, and the received data in the buffer is transferred to the base station after the connection instructing section instructed the connection processing section to have a connection with the base station and the connection processing section completes the connection with the base station,

_____ A router device according to claim 2, wherein, when the router device is not connected with the base station, the connection instructing section checks whether the

router is in a connectable status according to information indicative of signal reception intensity from the base station and a connection is established when the router is in the connectable status.